

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

#3

In re the application of) Atty Docket No.: IMM007D.US
)
L. Rosenberg et al.) Examiner: Unassigned
)
Application No. Unassigned) Art Unit: Unassigned
)
Filed: 1/8/02)
)
For: Interface Device for Sensing Position and)
Orientation and Outputting Force to a)
User (as amended))

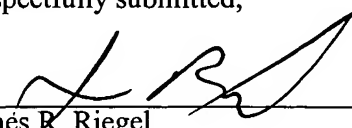
SEPARATE LETTER TO THE OFFICIAL DRAFTSMAN

Commissioner for Patents
Washington, D.C. 20231

Sir:

Enclosed herewith are nine (9) sheets of formal drawings for the above-referenced case. If the draftsman has any questions concerning these drawings, please contact the undersigned at the number set forth below. If any fees are due in connection with the filing of these drawings, please charge such fees to deposit account 50-1815 (Order No. IMM007D.US).

Respectfully submitted,


James R. Riegel
Reg. No. 36,651

801 Fox Lane
San Jose, CA 95131
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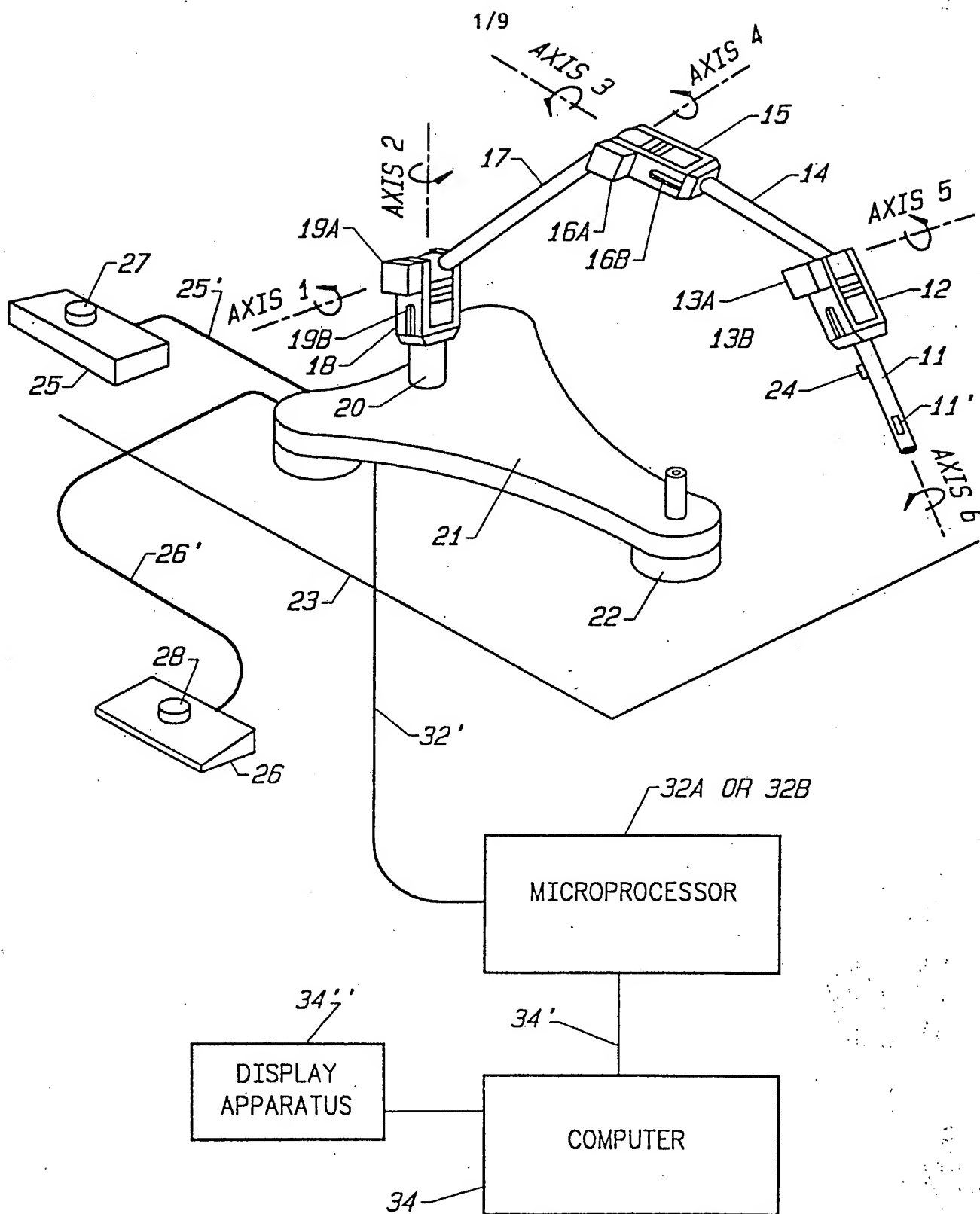
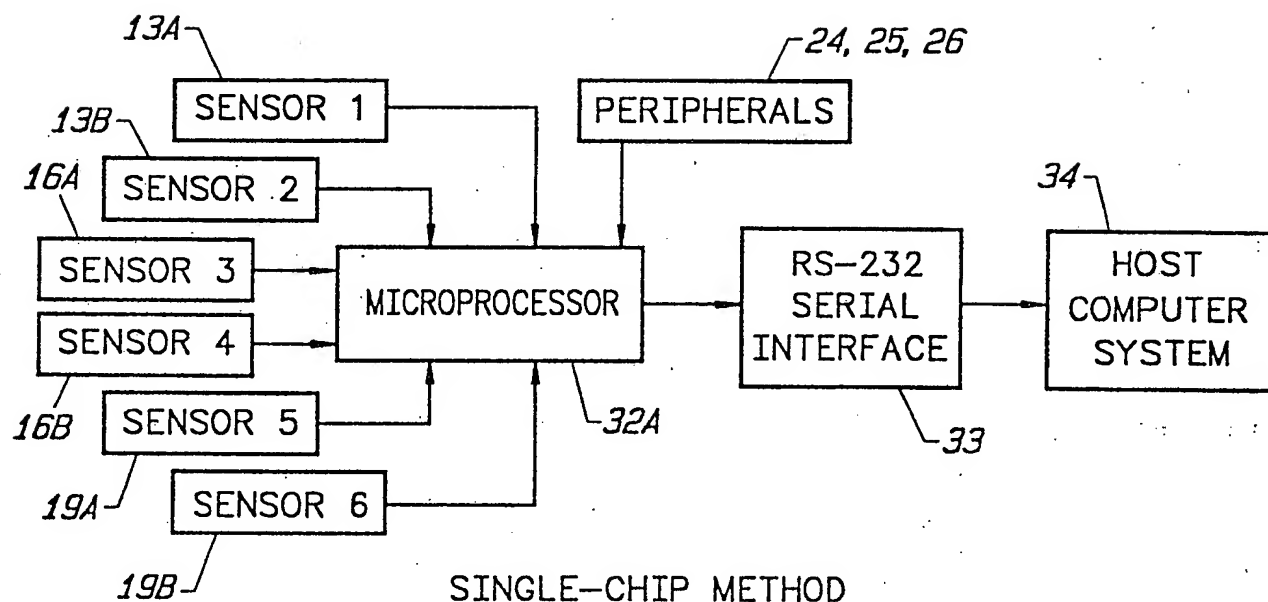


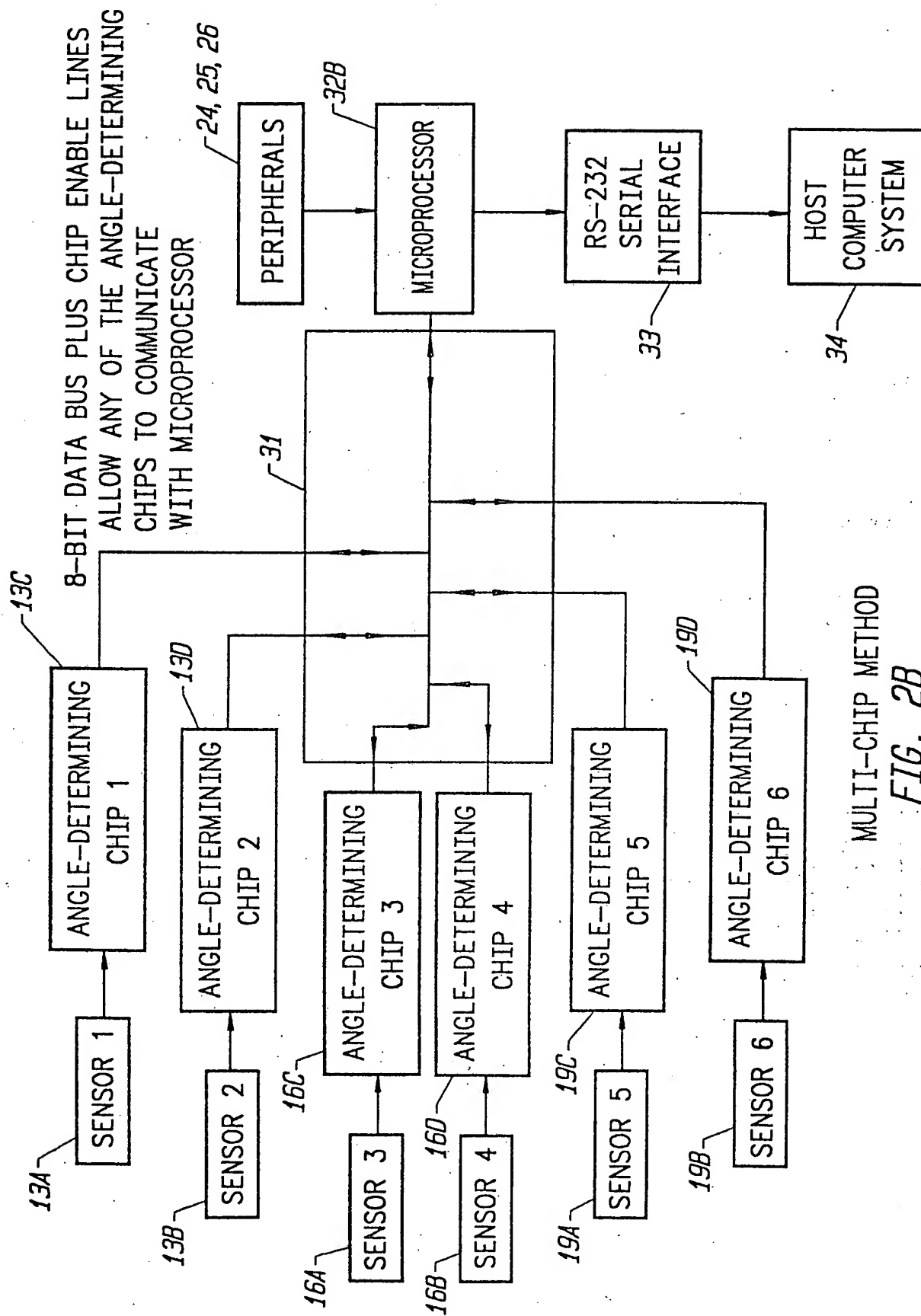
FIG. 1

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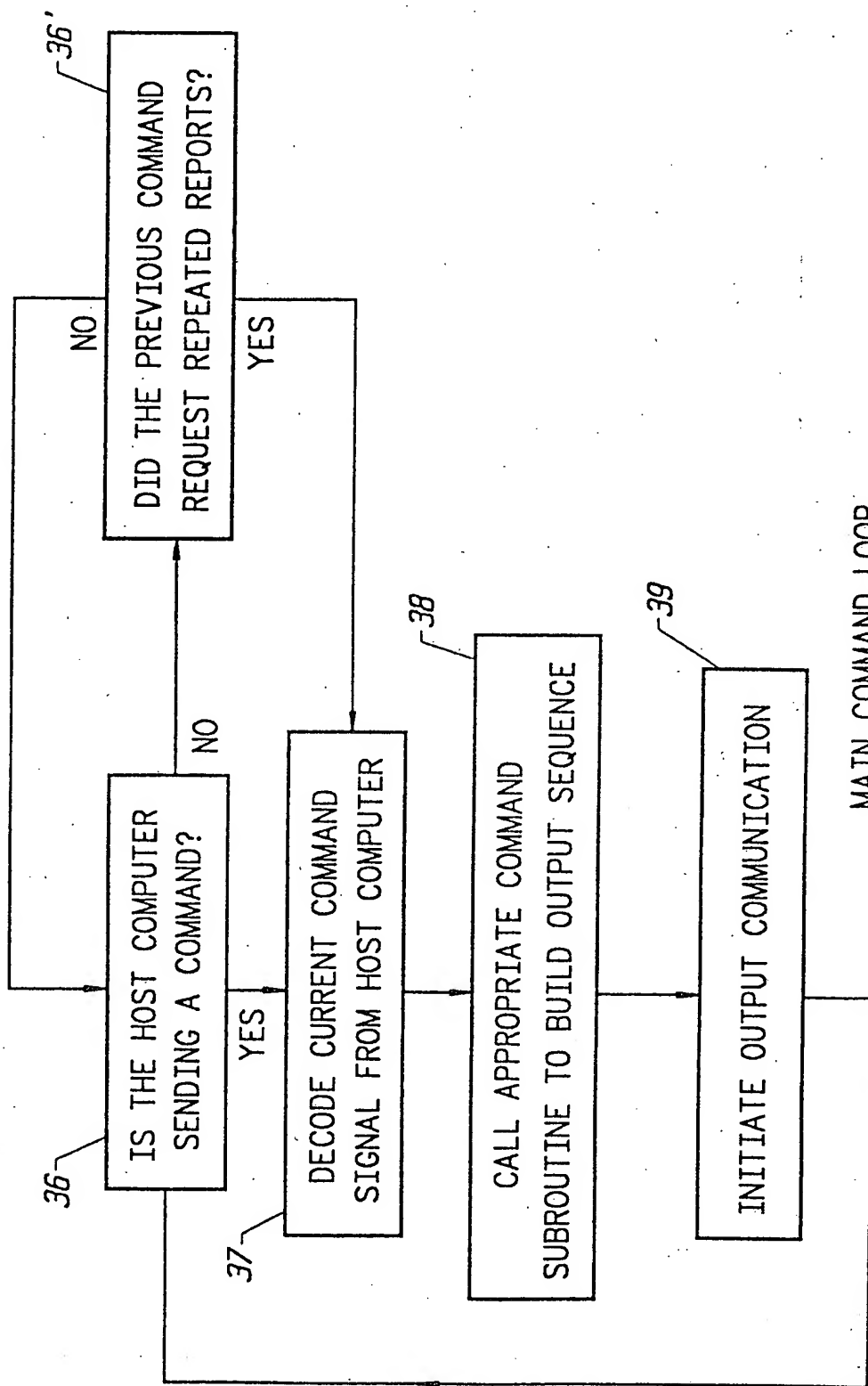
SINGLE-CHIP METHOD

FIG. 2A



MULTI-CHIP METHOD
FIG. 2B

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MAIN COMMAND LOOP

FIG. 3

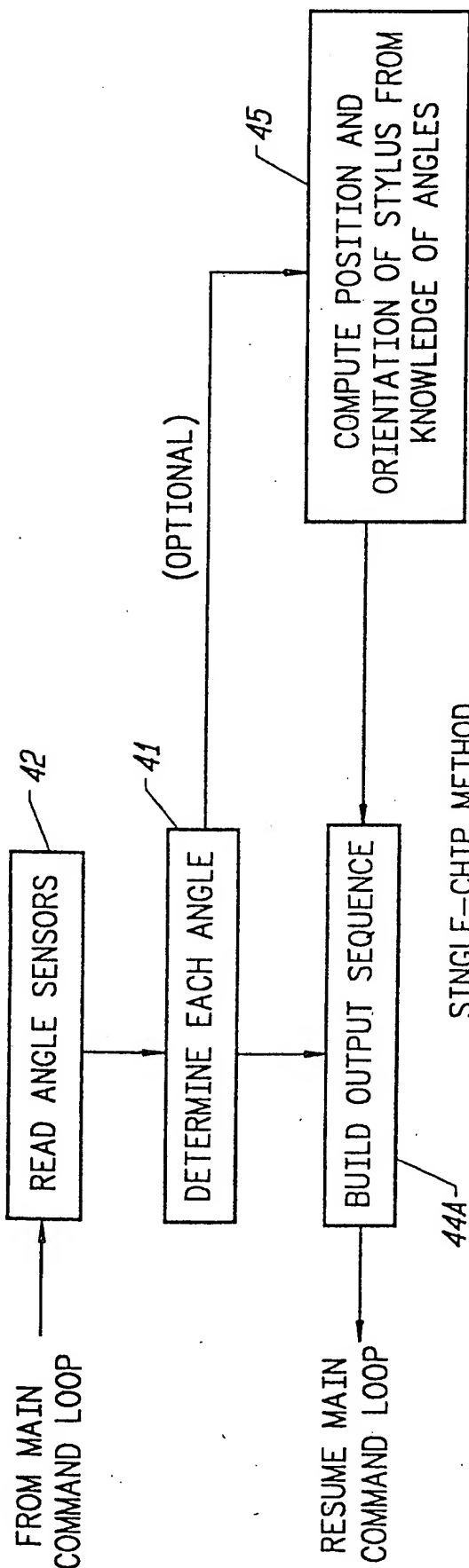


FIG. 4B

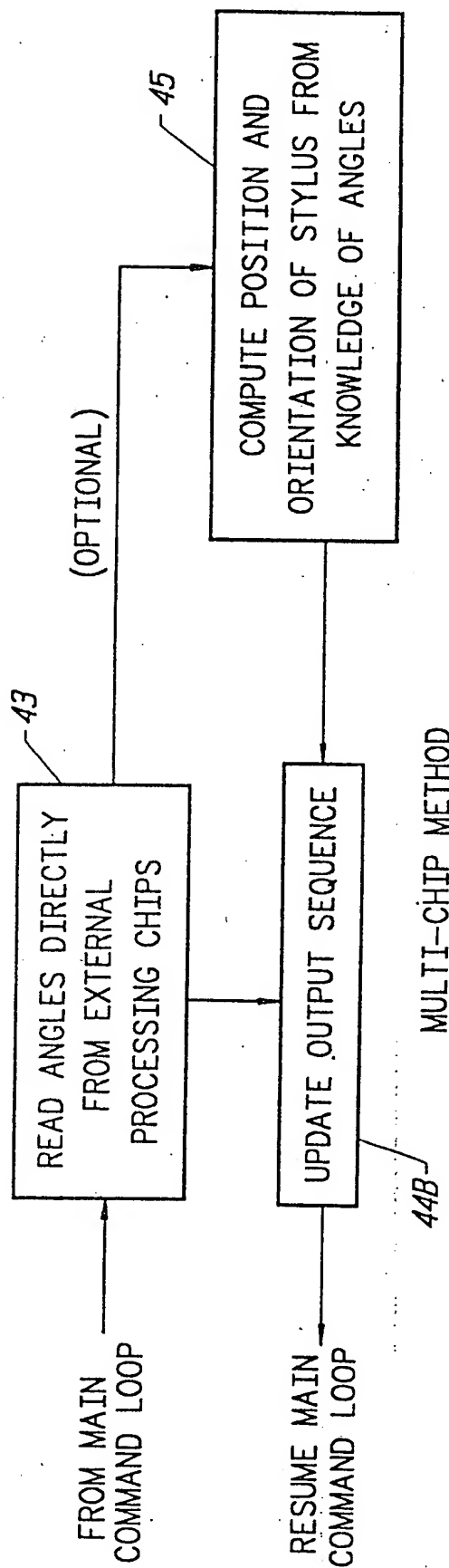
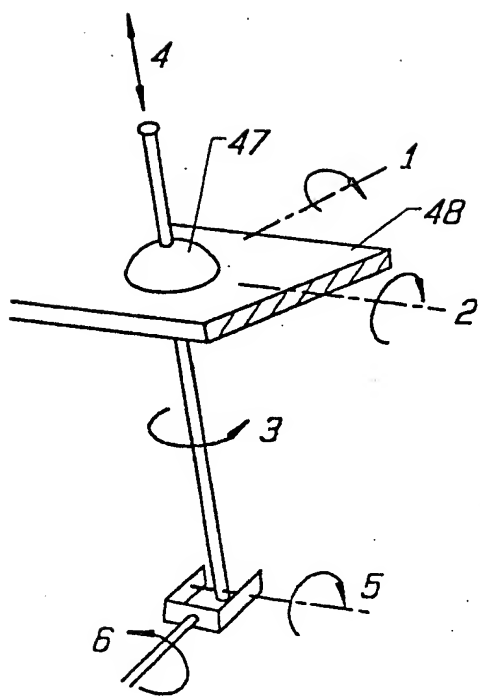


FIG. 4A



—→ 5 ROTARY JOINTS
—→ 1 LINEAR JOINT
FIG. 6

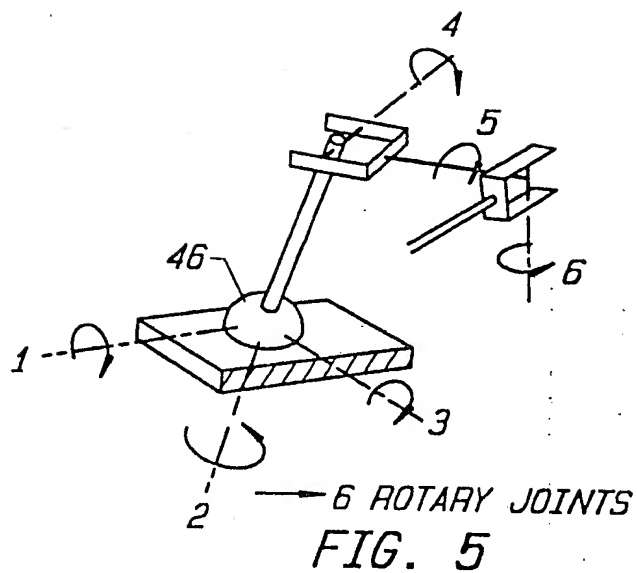
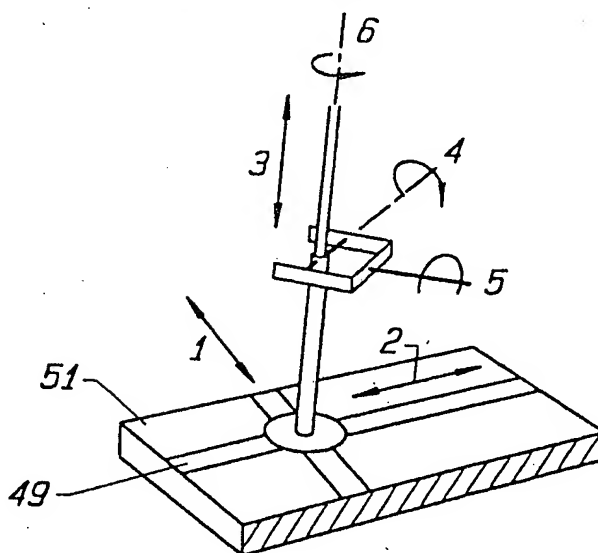
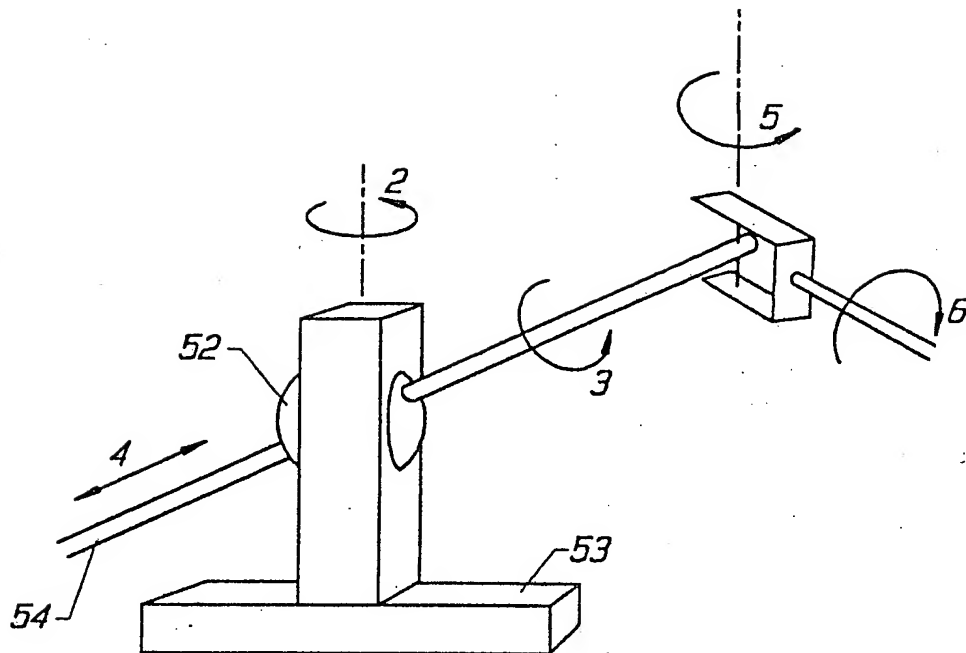


FIG. 7

— 3 ROTARY JOINTS
— 3 LINEAR JOINTS





5 ROTARY JOINTS
1 LINEAR JOINT

FIG. 8

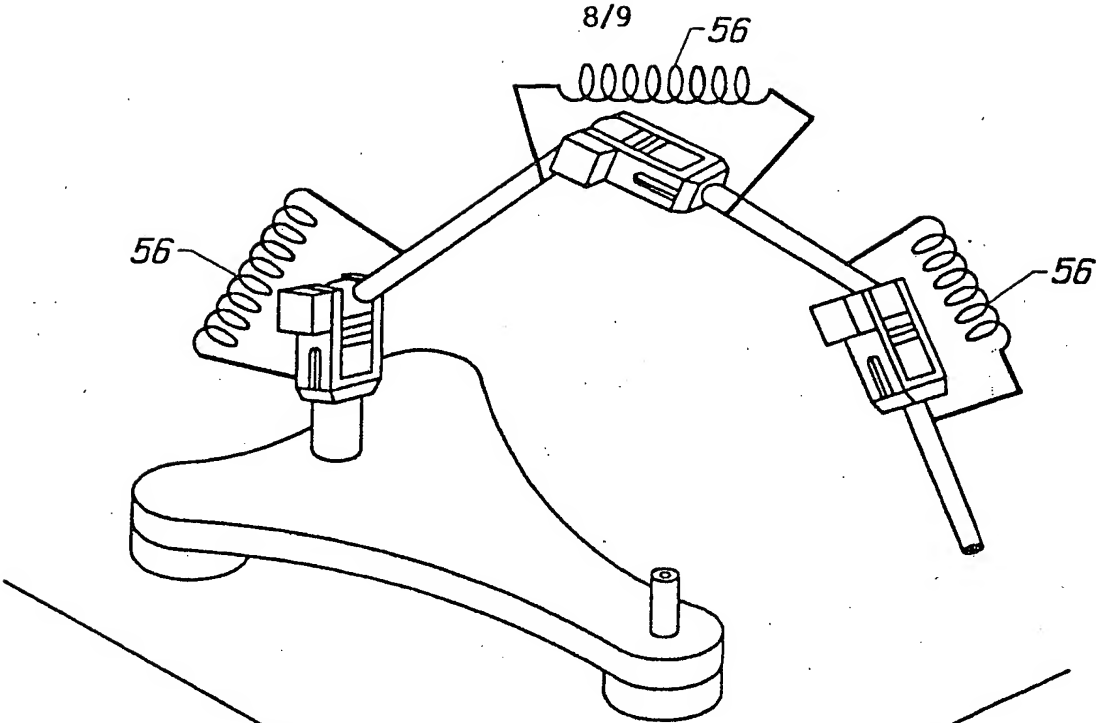


FIG. 9

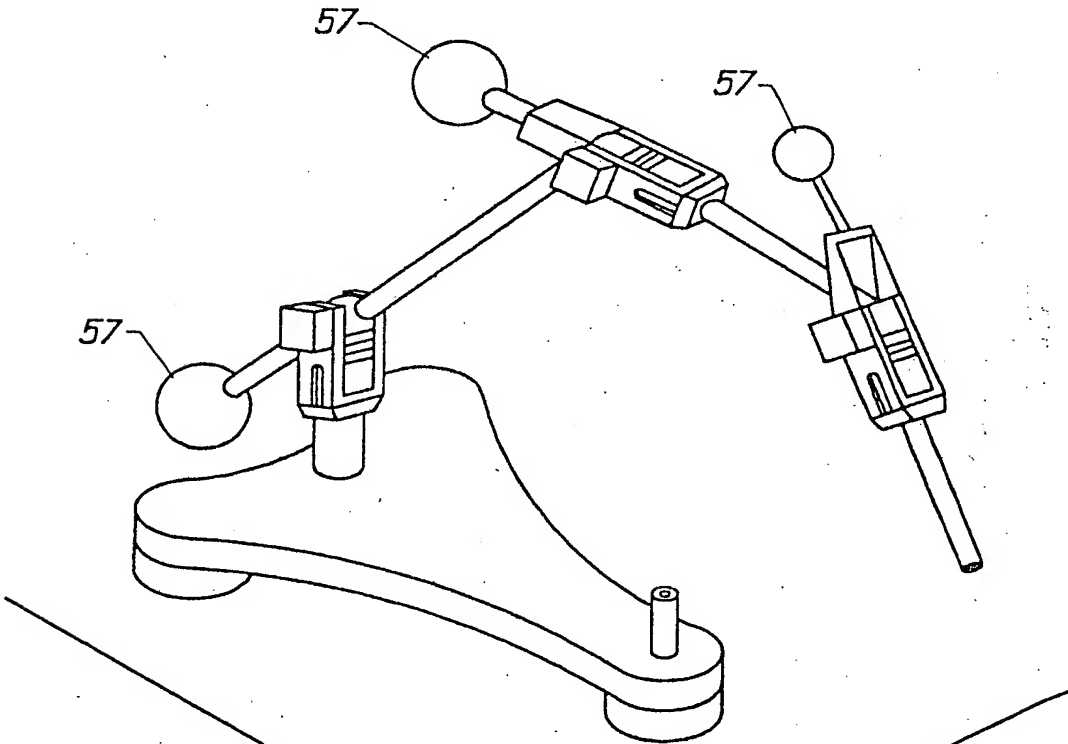


FIG. 10

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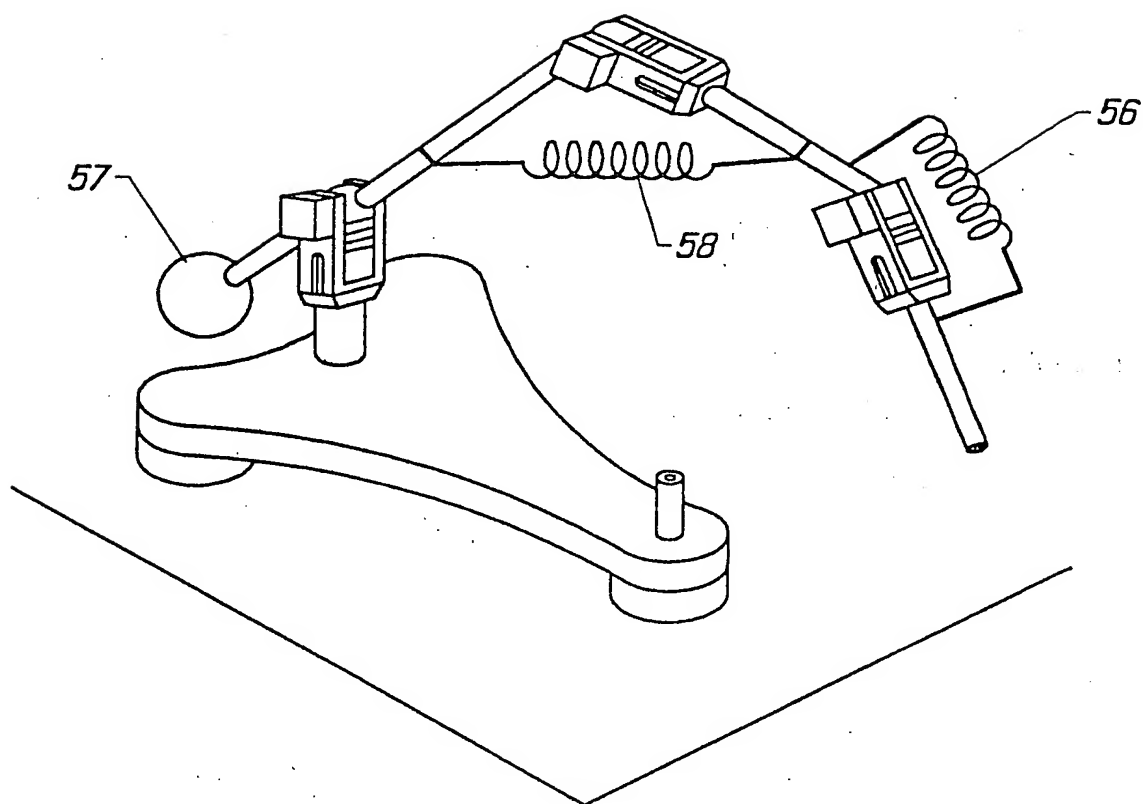


FIG. 11